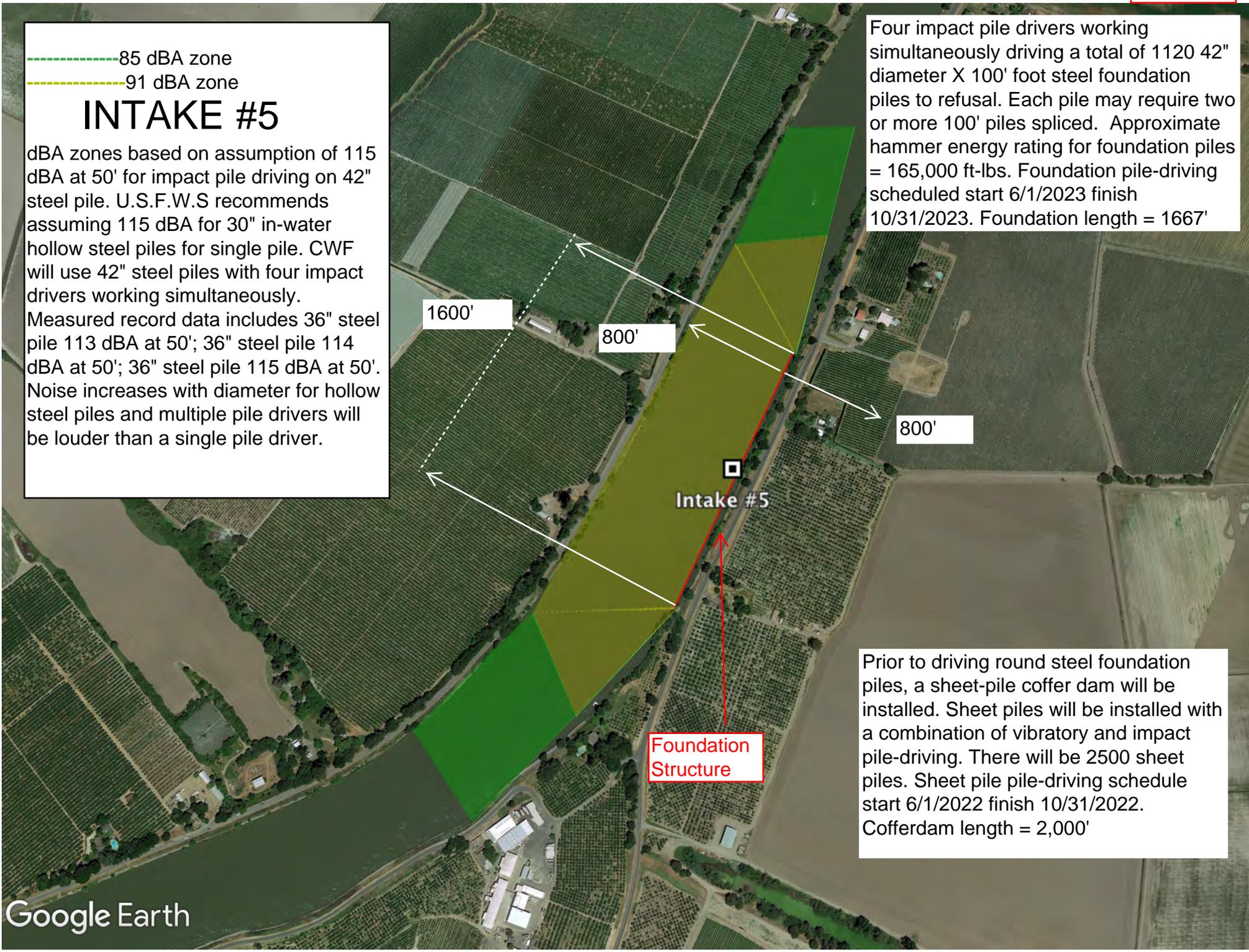


- - - - -85 dBA zone
 - - - - -91 dBA zone
INTAKE #5
 dBA zones based on assumption of 115 dBA at 50' for impact pile driving on 42" steel pile. U.S.F.W.S recommends assuming 115 dBA for 30" in-water hollow steel piles for single pile. CWF will use 42" steel piles with four impact drivers working simultaneously.
 Measured record data includes 36" steel pile 113 dBA at 50'; 36" steel pile 114 dBA at 50'; 36" steel pile 115 dBA at 50'. Noise increases with diameter for hollow steel piles and multiple pile drivers will be louder than a single pile driver.

Four impact pile drivers working simultaneously driving a total of 1120 42" diameter X 100' foot steel foundation piles to refusal. Each pile may require two or more 100' piles spliced. Approximate hammer energy rating for foundation piles = 165,000 ft-lbs. Foundation pile-driving scheduled start 6/1/2023 finish 10/31/2023. Foundation length = 1667'



Prior to driving round steel foundation piles, a sheet-pile coffer dam will be installed. Sheet piles will be installed with a combination of vibratory and impact pile-driving. There will be 2500 sheet piles. Sheet pile pile-driving schedule start 6/1/2022 finish 10/31/2022. Cofferdam length = 2,000'